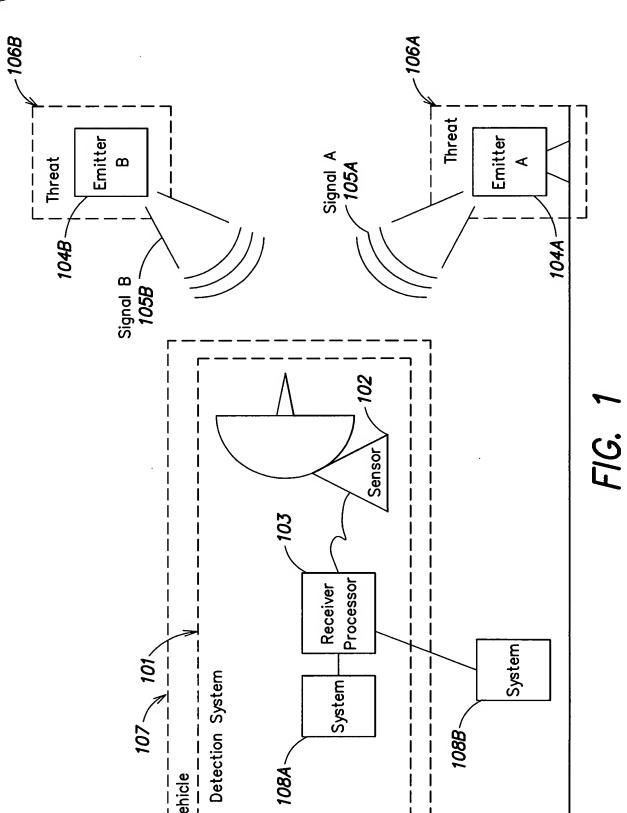
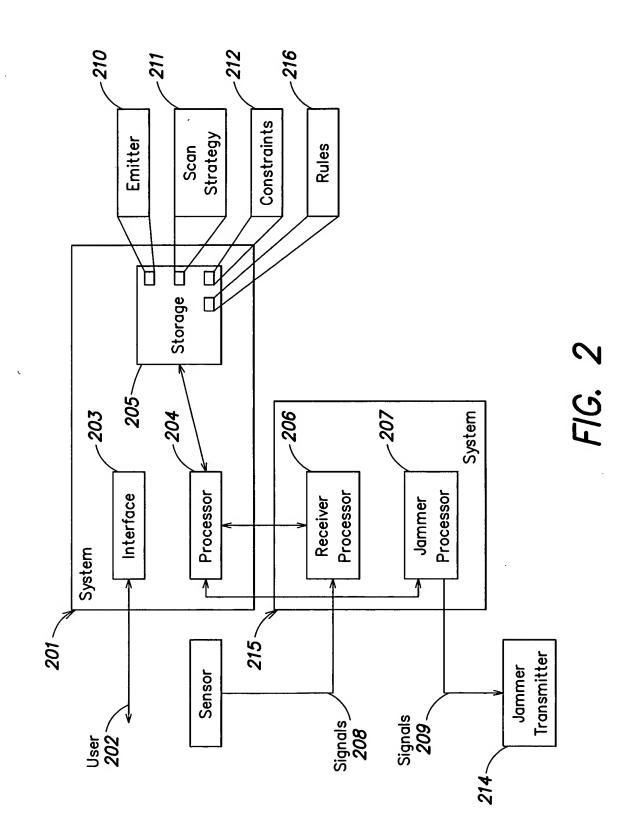
THE RECEMBER

System And Method For Correction Of Discontinuities In An Antenna Model

GOUNALIS, Anthony J.
Serial No.: 10/675,390
Docket No.: L0562.70040US00



System And Method For Correction Of Discontinuities In An Antenna Model GOUNALIS, Anthony J.
Serial No.: 10/675,390
Docket No.: L0562.70040US00



GOUNALIS, Anthony J. Serial No.: 10/675,390

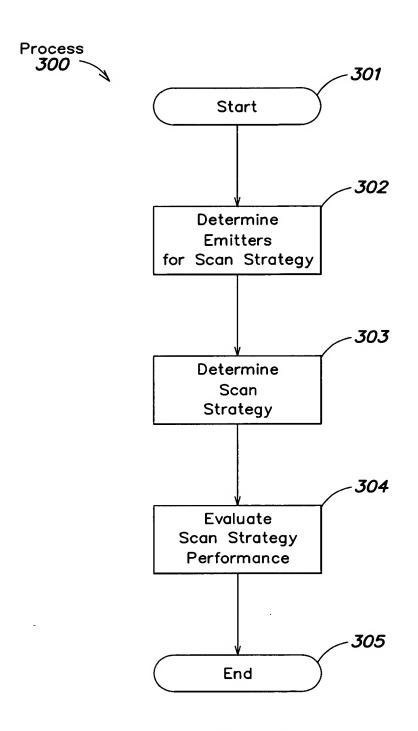


FIG. 3

GOUNALIS, Anthony J. Serial No.: 10/675,390

. 1			Emitter Database 02 401	Emitte Entry <b>403</b>	,
1		Emitter	Parameters		
	Emitter Model	Dwell Solution(s)	Constraints	Rules	
			•	,	
			•		
			•		
N					

FIG. 4

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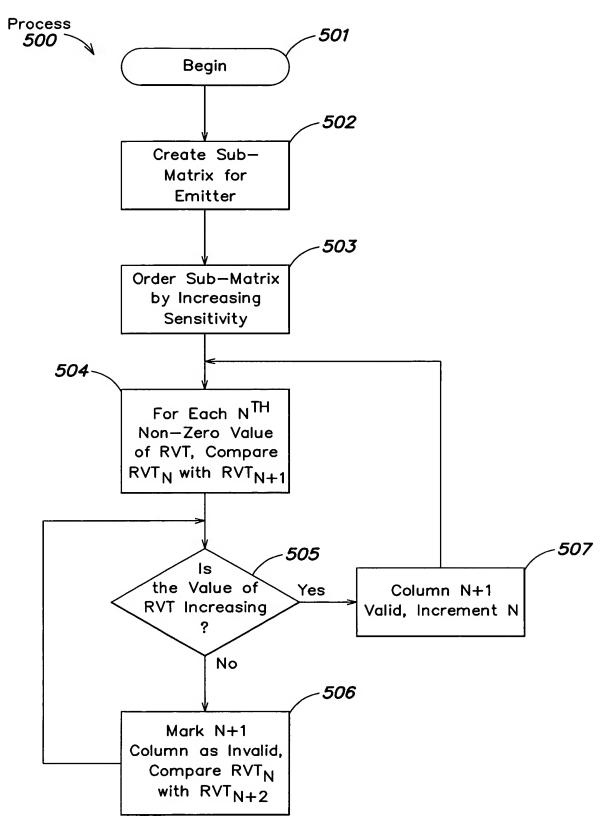
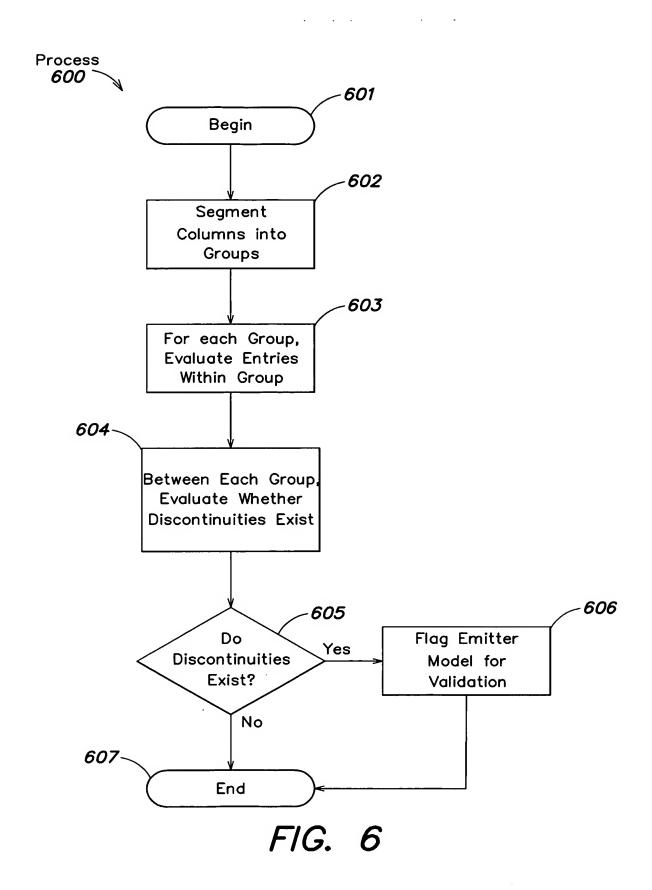
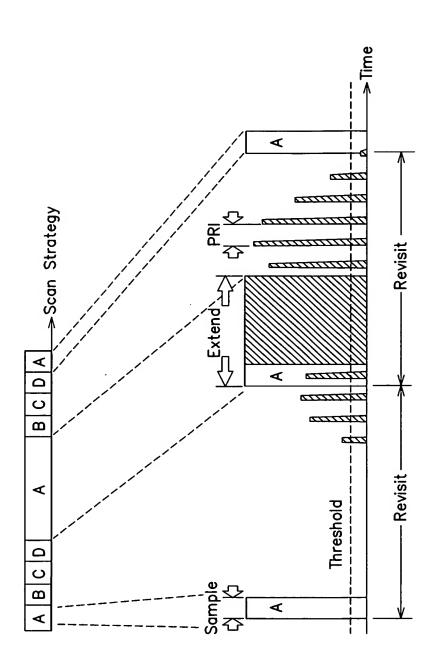


FIG. 5

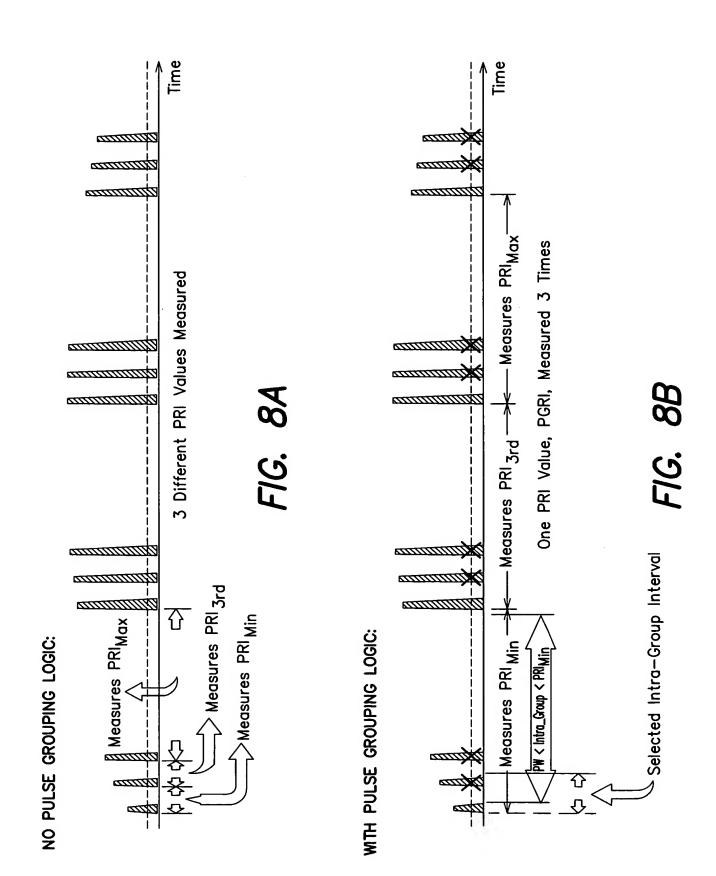
GOUNALIS, Anthony J. Serial No.: 10/675,390



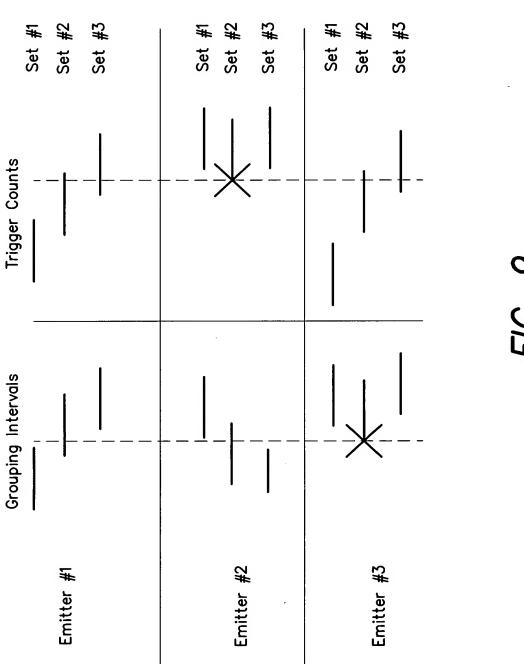
Serial No.: 10/675,390



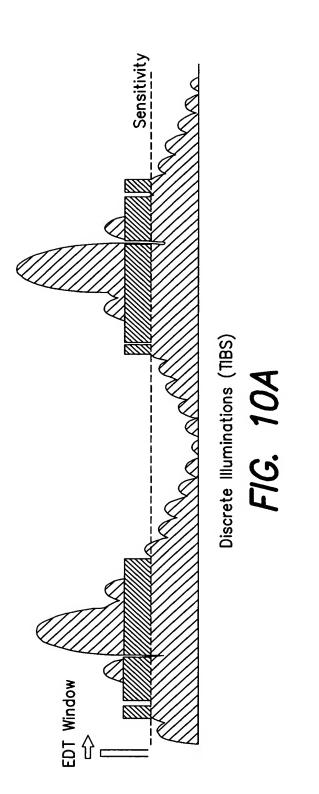
GOUNALIS, Anthony J. Serial No.: 10/675,390



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GOUNALIS, Anthony J. Serial No.: 10/675,390 Docket No.: L0562.70040US00



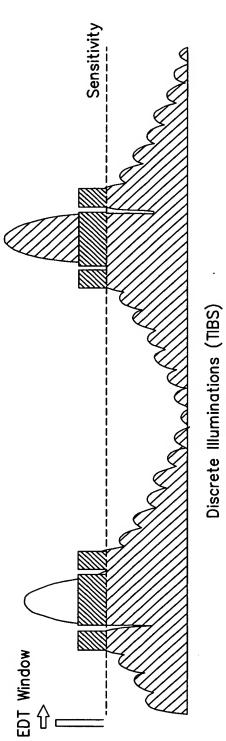
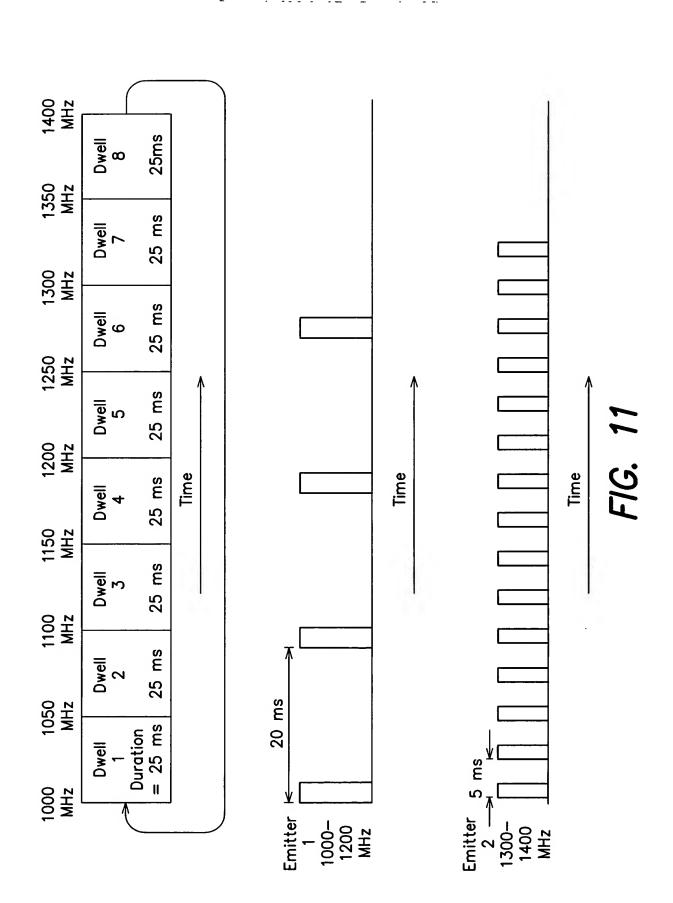
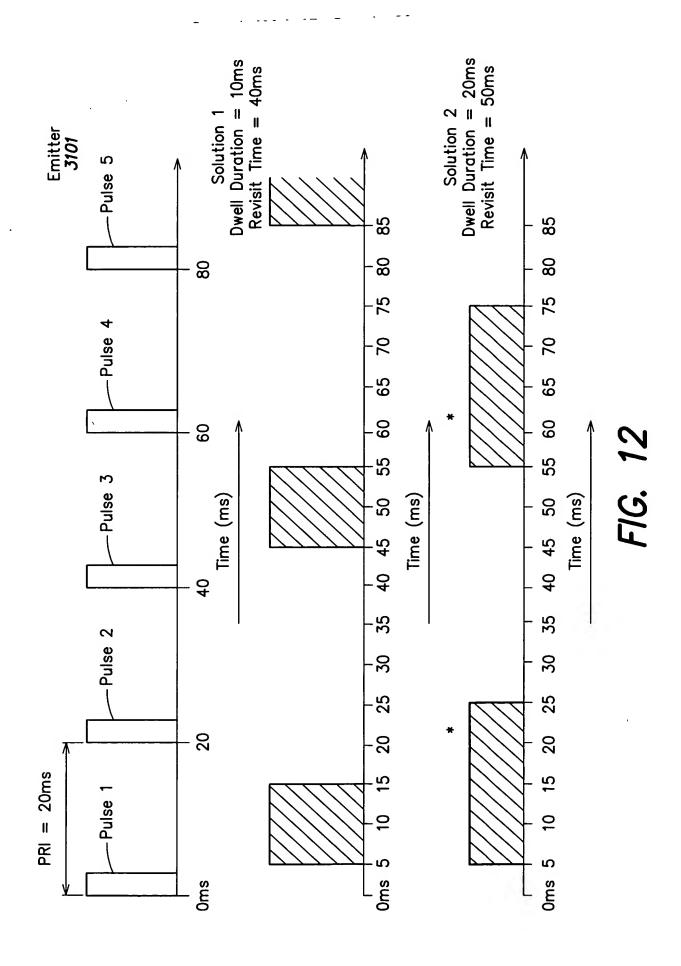


FIG. 10B

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Min MDT (ms)	2	S	7	4
RF Max (MHz)	1300	1350	1810	1860
RF Min (MHz)	1000	1220	1510	1730
Detecting Method 2 30MHz IF/ 15MHz VBW RVT	650 ms	780 ms	330 ms	390 ms
Detecting Method 1 250MHz IF/ 15MHz VBW RVT	100 ms	120 ms	110 ms	130 ms
Emitter Name	E1	E2	E3	E4

FIG. 13

System And Method For Correction Of Discontinuities In An Antenna Model GOUNALIS, Anthony J. Serial No.: 10/675,390 Docket No.: L0562.70040US00

		1 40:4:00			0		C soit-ilo	7	Total	1.5
1250				]	0 1270	Dwell 9	DD Max	RVTMin	650	+ Cost = 5/650
•					1210 1240	Dwell 8	DD Max 5	RVTMin	650	+ Cost + 5/650
					1180 12	Dwell 7	DD Max	RVTMin	650	+ Cost + 3/650
				: .05	1150 11	Dwell 6	DD Max	RVTMin	650	+ Cost - 3/650
	Dwell 1	$DD_{Max} = 5$	$RVT_{Min} = 100$	Cost = 5/100 = .05	1120 11	Dwell 5	DD Max	RVTMin	650	+ Cost - 3/650
	Q	M QQ	RVT	Cost =	1090	Dwell 4	DD Max	RVTMin	650	+ Cost . 3/650
					1060 10	Dwell 3	DD <sub>Max</sub>	RVTMin	650	+ Cost 3/650
					1030 10	Dwell 2	DD Max	RVTMin	650	+ Cost 3/650
00			j		00 10	Dwell 1	DD Max	RVTMin	650	Cost 3/650

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		1 1 2	l uoinnoc	
1760	Dwell 1	$DD_{Max} = 4 \text{ ms}$	RVT <sub>Min</sub> = 330 ms	$Cost = 4/330 = .01\overline{2}$

		Solution 2		1°
0 1780	Dwell 9	DD Max	RVT <sub>Min</sub> 330 ms	
1720 1750	Dwell 1 Dwell 2 Dwell 3 Dwell 4 Dwell 5 Dwell 6 Dwell 7 Dwell 8 Dwell 9	DD Max	RVT <sub>Min</sub> 330 ms	1700 1770 1770 1770 1770
1690 173	Dwell 7	DD Max 2	RVT <sub>Min</sub> 330 ms	
1660 16	Dwell 6	DD Max 2	RVT <sub>Min</sub> 330 ms	
1630 16	Dwell 5	DD Max	RVT <sub>Min</sub> 330 ms	1
	Dwell 4	DD Max 2	RVT <sub>Min</sub> 330 ms	
70 1600	Dwell 3	DD Max	RVT <sub>Min</sub> 330 ms	1000 1000
1540 1570	Dwell 2	DD Max	RVT <sub>Min</sub> 330 ms	1
1510 154	Dwell 1	DD Max	RVT <sub>Min</sub> 330 ms	
15				

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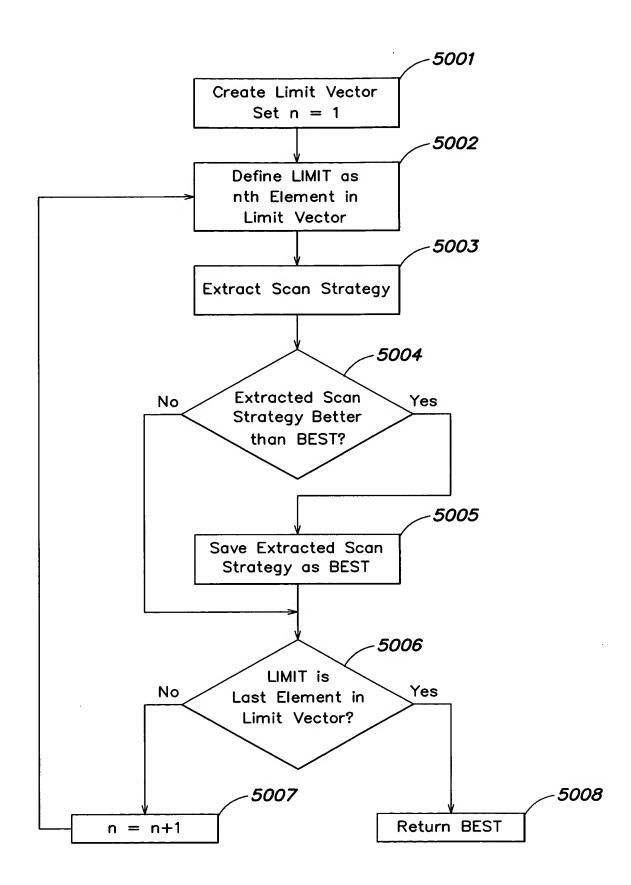


FIG. 15

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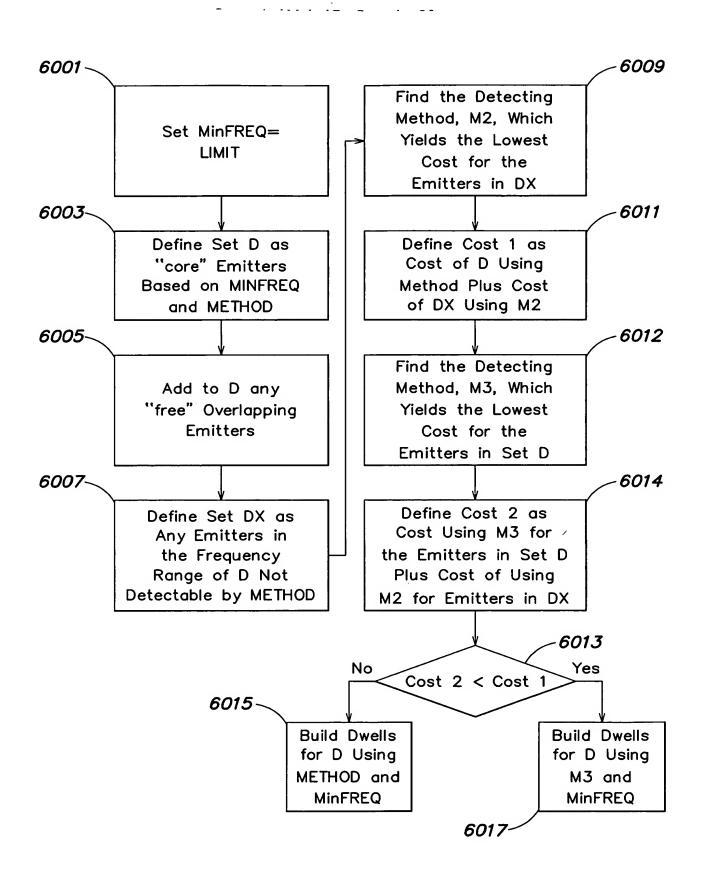


FIG. 16

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Name	RF Min	RF Max
E1	1100	1200
E2	1150	1250

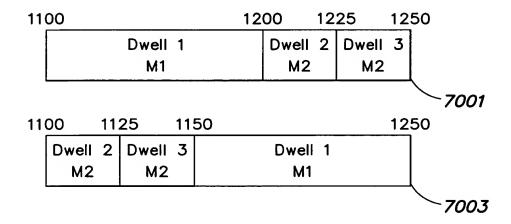


FIG. 17

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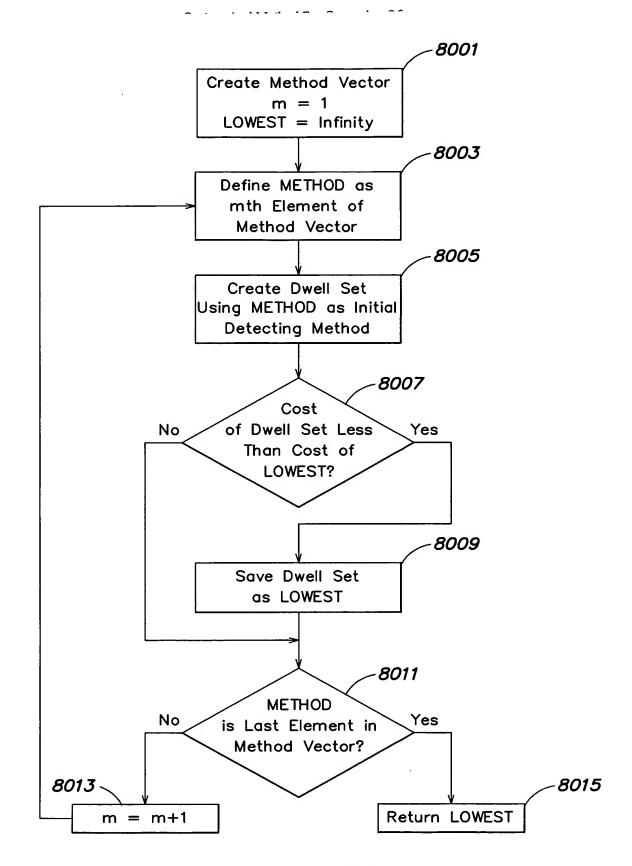


FIG. 18

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. ... . .- -

Emitter	Dwell Duration (ms)	Revisit Time (ms)
Emitter 1	1	500
Emitter 2	2	1200

FIG. 19

Emitter	Dwell Duration (ms)	Revisit Time (ms)	Cost
Emitter 1	1	500	.002
Emitter 2	5	1000	.005

FIG. 20

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Dwell 1	Dwell 1 Dwell 1 Dwell Dwell Dwell	Dwell 1	Dwell 1 Dwell 2	Dwell 1	1 Dwell 2 Dwell 2 Dwell 2	Dwell 1	Dwell 1 Dwell 2	Dwell 1	Dwell 1 Dwell 2	Dwell 1	Dwell 1 Dwell 2
			(4)						-		
200	1000	1500	2000	2500	3000	3500	4000	4500	2000	5500	0009
					Time (ms)	(sm.)	1				
							1				
				Ī	FIG. 21	7					

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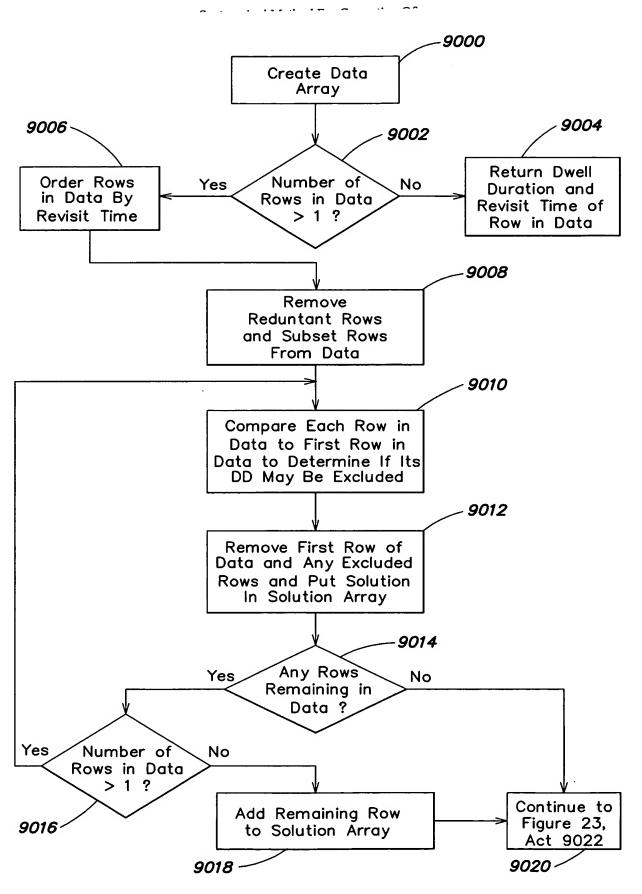


FIG. 22

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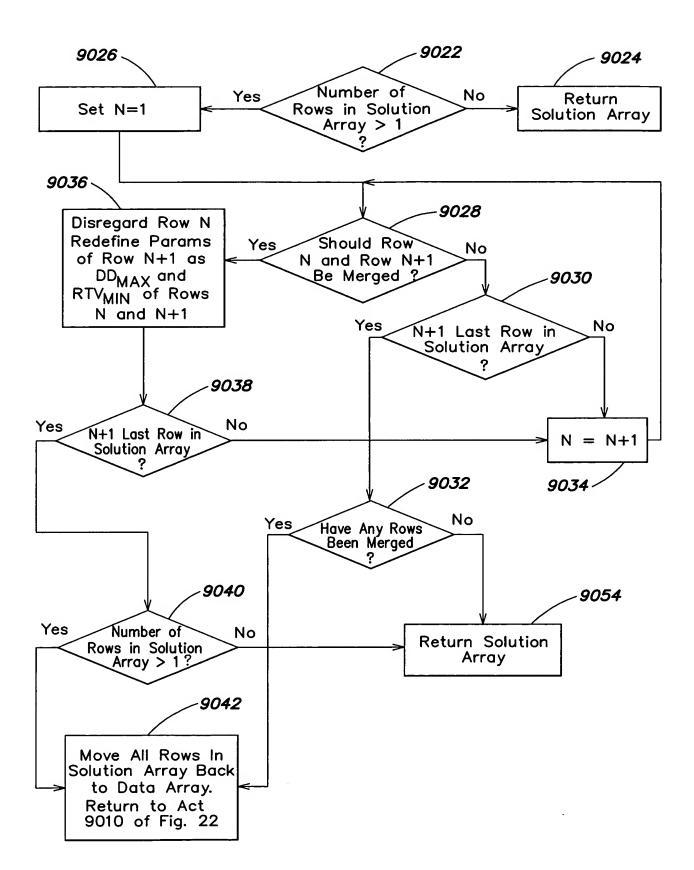


FIG. 23

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						9051	- 9052		
9044		RVT	200	200	800	2000	2868		
	Data	EDT	7	6	11	19	17		
		MDT	-	2	2.3	3	3.05		
9044						-9048	9049	— 9050	
		RVT	200	700	800	1000	2000	2000	2868
	Data	EDT	7	6	11	3.5	19	19	17
		MDT	-	2	2.3	0.5	3	3	3.05
9044									
		RVT	2868	2000	2000	200	700	800	1000
	Data	EDT	17	19	19	7	6	11	3.5
		MDT	3.05	3	3	-	2	2.3	0.5

FIG. 24C

FIG. 24B

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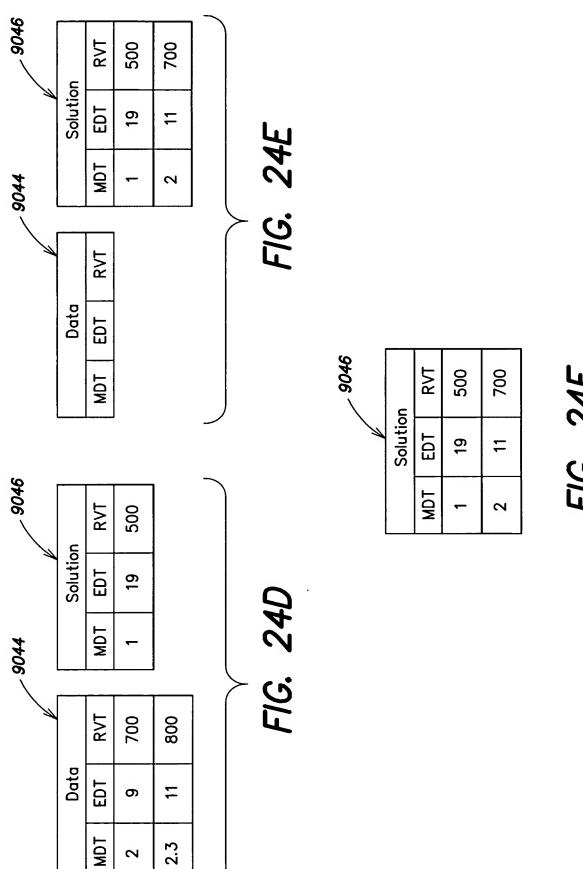


FIG. 24F

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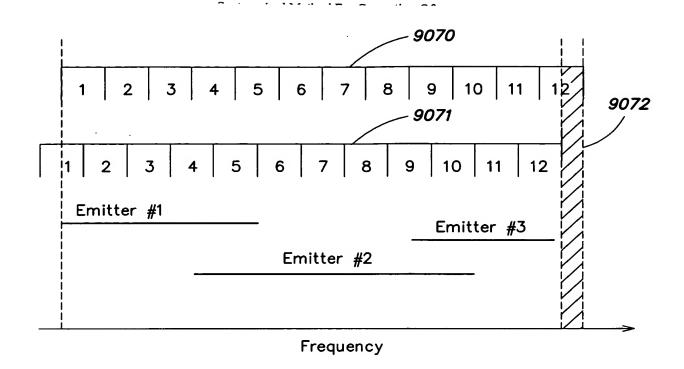


FIG. 25

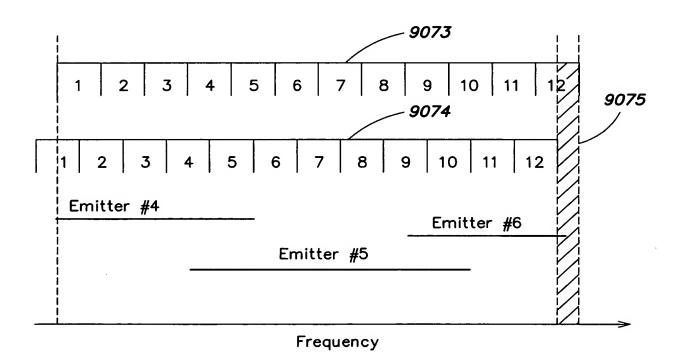


FIG. 26

Serial No.: 10/675,390 Docket No.: L0562.70040US00

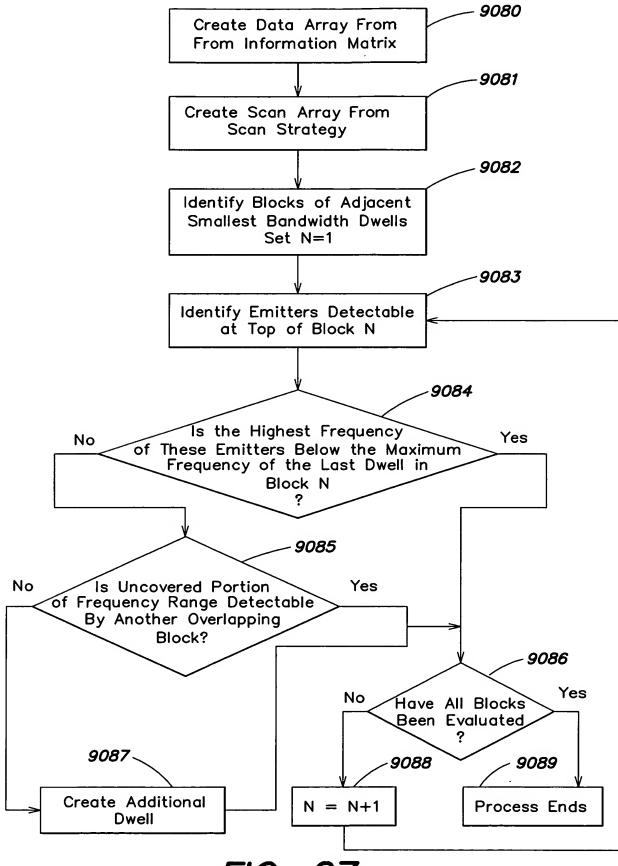
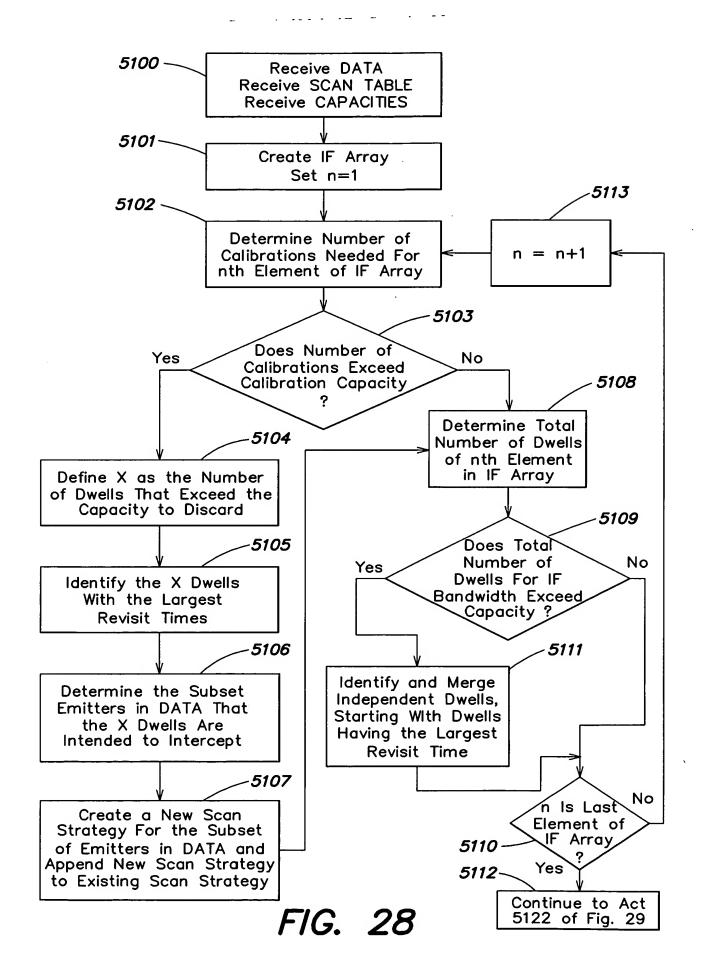


FIG. 27

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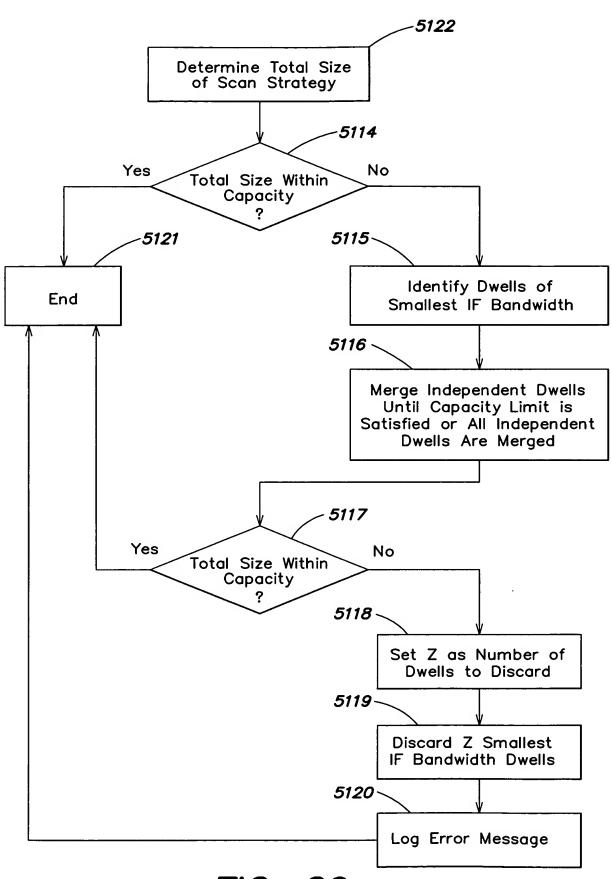
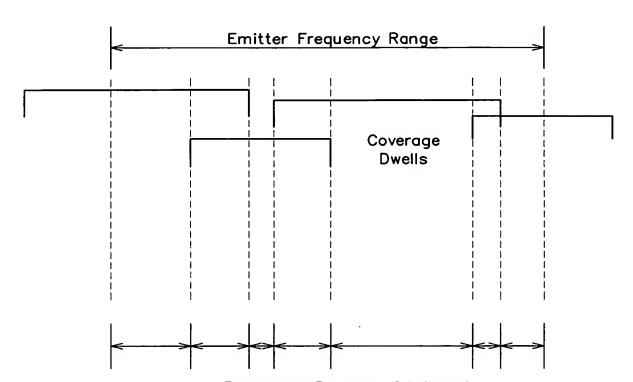


FIG. 29

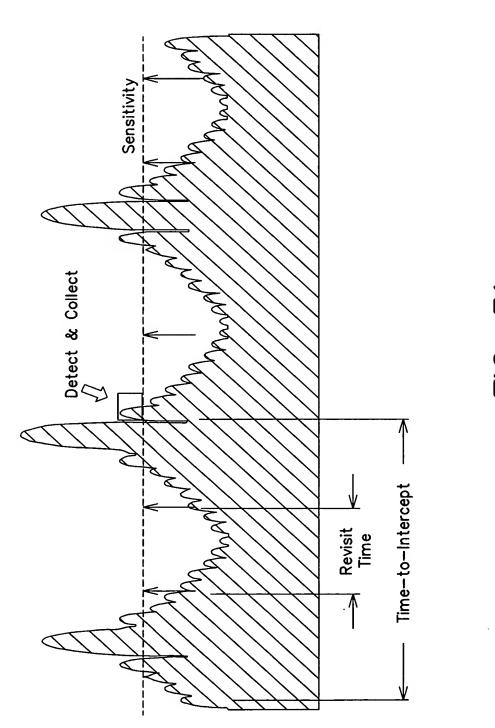
System And Method For Correction Of Discontinuities In An Antenna Model GOUNALIS, Anthony J. Serial No.: 10/675,390 Docket No.: L0562.70040US00



Frequency Ranges of Interest

FIG. 30

System And Method For Correction Of Discontinuities In An Antenna Model GOUNALIS, Anthony J. Serial No.: 10/675,390 Docket No.: L0562.70040US00



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